

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6510352".pn. and compil\$5	USPAT	OR	OFF	2006/12/05 08:42
S1	2	"6047284".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/04 10:31
S2	1111	(type or typecast) and compil\$5 same (valid or verify or verification or check\$3 ) and legal\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 13:30
S3	1111	(type or typecast) and compil\$5 same (valid or verify or verification or check\$3 ) and legal\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:09
S4	42	(type or typecast) and compil\$5 same (valid or verify or verification or check\$3 ) and legal\$3 near3 (type or typecast) and class	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 13:31
S5	1	717/140.ccls. and (type or typecast) and compil\$5 same (valid or verify or verification or check\$3 ) and legal\$3 near3 (type or typecast) and class	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 13:42
S6	147	717/140.ccls. and (type or typecast) and compil\$5 same (valid or verify or verification or check\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 13:32
S7	6	717/140.ccls. and (type or typecast) and compil\$5 same (valid or verify or verification or check\$3 ) and ("no" or "without" or "not") near3 (allocat\$3 or preallocat\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 13:40
S8	624	(lazy or deferred or late) near2 (load\$3 or bind\$3) and type and value and (get\$4 or set\$4 or "get()") or "set()")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 13:44
S9	9	(lazy or deferred or late) near2 (load\$3 or bind\$3) and type and value and (get\$4 or set\$4 or "get()") or "set()") and 717/140.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 14:00

## EAST Search History

S10	12	class same "type description" same "data structure" and (referenc\$3 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 14:35
S11	127	(linked adj list\$3) same (dynamic\$4 near2 memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:30
S12	39	(linked adj list\$3) same (dynamic\$4 near2 memory) and (class or object ) same (typ\$3 or typecast\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:31
S13	39	(linked adj list\$3) same (dynamic\$4 near2 memory) and (class or object ) same (typ\$3 or typecast\$3) and (method or function or operation or call\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:31
S14	7	(linked adj list\$3) same (dynamic\$4 near2 memory) and (class or object ) same (typ\$3 or typecast\$3) and (method or function or operation or call\$3 ) and compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:54
S15	302	((linked adj list\$3) or table or hash\$3 or structure) same ( (dynamic\$4 near2 memory) or malloc or realloc) and (class or object ) same (typ\$3 or typecast\$3 or datatype) and (method or function or operation or call\$3 ) and compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:56
S16	63	((linked adj list\$3) or table or hash\$3 or structure) same ( (dynamic\$4 near2 memory) or malloc or realloc) and (class or object ) same (typ\$3 or typecast\$3 or datatype) same (method or function or operation or call\$3 ) same compil\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 16:14
S17	63	S16 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:58
S18	0	S16 not S14 and tcl	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 15:59

## EAST Search History

S19	32	halstead.in. and value and option	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:00
S20	14	("4799172"   "5208906"   "5649216"   "5721848"   "5796401"   "6057842"   "6125385"   "6181838").PN. OR ("6356279").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:14
S21	1334	((linked adj list\$3) or table or hash\$3 or structure) same ("type description")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 16:15
S22	8	((linked adj list\$3) or table or hash\$3 or structure) same ("type description") and ( (compil\$5 near3 (method or function or procedure or operation or call\$3) ) near5 (value or field) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 16:18
S23	18	("20010005886"   "5093914"   "5652879"   "5706505"   "5732271"   "5740440"   "5790857"   "5911076"   "5915253"   "5924098"   "5943496"   "5960197"   "6119157"   "6199157"   "6223342"   "6305012"   "6356279"). PN. OR ("6769001").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:47
S24	1232	(referenc\$2 or pointer or map\$4 ) near5 ("data structure" or list or "linked-list" or hash or table or database ) near5 ((type or datatype or typecast or description) and (value or attribute or field))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:50
S25	1232	((referenc\$2 or pointer or map\$4 ) near5 ("data structure" or list or "linked-list" or hash or table or database ) ) near5 ((type or datatype or typecast or description) and (value or attribute or field))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:50
S26	1232	((referenc\$2 or pointer or map\$4 ) near5 ("data structure" or list or "linked-list" or hash or table or database ) ) near5 ((type or datatype or typecast or description) and (value or attribute or field))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:43
S27	491	((referenc\$2 or pointer or map\$4 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) near3 ((type or datatype or typecast or description) and (value or attribute or field))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:51

## EAST Search History

S29	81	((referenc\$2 or pointer or map\$4 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) near3 ((type or datatype or typecast or description) and (value or attribute or field)) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:41
S30	7551	((referenc\$2 or pointer or map\$4 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) and (type or datatype or typecast or description) and (value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" ) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 07:37
S31	1988	((referenc\$2 or pointer or map\$4 or associat\$3 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" ) ) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 07:38
S32	282	((referenc\$2 or pointer or map\$4 or associat\$3 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" ) ) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 class)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 07:38

## EAST Search History

S33	205	((referenc\$2 or pointer or map\$4 or associat\$3 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 class) and compil\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:01
S34	35	((referenc\$2 or pointer or map\$4 or associat\$3 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) same (type or datatype or typecast or description) same ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 class) and compil\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:26
S35	2	((referenc\$2 or pointer or map\$4 or associat\$3 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and ( (defin\$3 near3 class) same template same option\$4 ) and compil\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:00
S36	127	((referenc\$2 or pointer or map\$4 or associat\$3 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 class) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 12:25

## EAST Search History

S37	281	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 14:44
S38	267	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and (option\$4 near3 (widget or button or bar or list or menu ) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 10:04
S39	0	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) same compil\$5 same (option\$4 near3 (widget or button or bar or list or menu ) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 10:05
S40	28	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 same (option\$4 near3 (widget or button or bar or list or menu ) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 10:05

## EAST Search History

S41	19	("5325533"   "5519866"   "5557730"   "5574918"   "5758160"   "6061515"   "6078739"   "6167564"   "6314555"   "6321374"   "6334158"   "6370681"). PN. OR ("6487713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:01
S42	50	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu ) and ("type-checking" or (type adj check\$3) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 14:42
S43	0	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu ) and ("type-checking" or (type adj check\$3) ) and "6487713". pn. and compil\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 11:08
S44	1	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu ) and "6487713".pn. and compil\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 11:08

## EAST Search History

S45	49	((referenc\$2 or pointer or map\$4 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) near3 ((type or datatype or typecast or description) and (value or attribute or field)) and ((dynamic\$4 near2 allocat\$3) or malloc)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:28
S46	0	"6842906".pn. and deferred adj loading and "save on memory" and "copy constructors" and "dynamically allocated"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:30
S47	0	"6842906".pn. and deferred and "save on memory" and "copy constructors" and "dynamically allocated"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:30
S48	0	"6842906".pn. and "save on memory" and "copy constructors" and "dynamically allocated"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:30
S49	1	"6842906".pn. and lazy and memory and type and value and (dynamically adj allocat\$3 )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:32
S50	1	"6842906".pn. and lazy and memory and type and value and (dynamically adj allocat\$3 ) and compil\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:05
S51	0	"6487713".pn. and ((referenc\$2 or pointer or map\$4 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) near3 ((type or datatype or typecast or description) and (value or attribute or field)) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:42
S52	0	"6487713".pn. and ((referenc\$2 or pointer or map\$4 ) near3 ("data structure" or list or "linked-list" or hash or table or database ) ) near3 ((type or datatype or typecast or description) and (value or attribute or field)) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:42



## EAST Search History

S53	0	("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu ) and ("type-checking" or (type adj check\$3) )and "6487713".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 14:43
S54	0	"6487713".pn. and ((referenc\$2 or pointer or map\$4 ) near5 ("data structure" or list or "linked-list" or hash or table or database ) ) near5 ((type or datatype or typecast or description) and (value or attribute or field))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:43
S55	1	"6487713".pn. and ("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 15:13
S56	1	"6487713".pn. and ("data structure" or list or "linked-list" or hash or table or database ) same (type or datatype or typecast or description) and ((value or attribute or field or property or properties) same ("getter" or "setter" or "get()" or "set()" )) and ((dynamic\$4 near2 allocat\$3) or malloc or ((sav\$3 or minimiz\$5 or minimal\$2) near3 memory) ) and (defin\$3 near3 (object or class) ) and compil\$5 and option\$4 near5 (widget or button or bar or list or menu )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 14:44
S57	0	compil\$5 near3 (get\$3 adj (function or method or procedure)) same (type adj (description or check\$3) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 15:16

## EAST Search History

S58	1	compil\$5 same (get\$3 adj (function or method or procedure)) same (type adj (description or check\$3) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 15:17
S59	10	compil\$5 same ((get\$3 or set\$3 ) adj (function or method or procedure)) same (type adj (description or check\$3) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 15:22
S60	47	compil\$5 same ((get\$3 or set\$3 ) adj (function or method or procedure)) and (type adj (description or check\$3) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 15:22
S61	37	S60 not S59	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 15:23
S62	6	("6349343").URPN.	USPAT	OR	OFF	2006/03/14 15:50
S63	1	("6349343").pN.	USPAT	OR	OFF	2006/03/14 16:20
S64	10	(widget or scrollbar ) near5 (selection or option\$4) same type	USPAT	OR	OFF	2006/03/14 16:21
S65	19	class near3 option\$4 same (referenc\$3 or point\$3 ) near3 (option\$4 or undeclared or possibil\$3 or unused or select\$4 ) and allocat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/16 13:14
S66	10	("dynamic binding" or "late binding" ) same memory and (type same compil\$5 same (class or instance) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/04 13:07
S67	15	("dynamic binding" or "late binding" or rtti or ((runtime or "run time" ) adj "type information") ) same memory and (type same compil\$5 same (class or instance) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/04 13:09
S68	5	S67 not S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/04 15:25
S69	2	"6032152".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/04 15:25
S70	8	("6032152").URPN.	USPAT	OR	OFF	2006/12/04 15:36
S71	770	class same constructor and option\$4	USPAT	OR	OFF	2006/12/04 15:37
S72	18	class same constructor and option\$4 same (memory near3 allocat\$3 )	USPAT	OR	OFF	2006/12/04 15:38

## EAST Search History

S73	1	class same constructor and option\$4 same (memory near3 allocat\$3 ) same (minim\$4 or small\$2 or less or reduc\$3 or sav\$3 )	USPAT	OR	OFF	2006/12/04 15:39
S74	2	class same constructor and option\$4 same (memory near3 allocat\$3 ) same type	USPAT	OR	OFF	2006/12/04 16:44
S75	1	"5999948".pn.	USPAT	OR	OFF	2006/12/05 08:42